ELSEVIER

Journal of Non-Crystalline Solids 195 (1996) 309–310

JOURNAL OF NON-CRYSTALLINE SOLIDS

Author index

Aasland, S., T. Grande, A. Grzechnik and P.F. McMillan, Formation of fluorozirconate glasses under high pressures 195 (1996) 180
Aksenov, N.D., see Mamedov, S.B. 195 (1996) 272
Anderegg, J.W., see Chang, S.-L. 195 (1996) 95

Batrakov, Yu.F., see Mamedov, S.B. 195 (1996) 272
Beynon, J., see Sahota, M.S. 195 (1996) 83
Binkowski, N.J., see Fehlner, F.P. 195 (1996) 89
Boolchand, P., see Wells, J. 195 (1996) 170
Bresser, W.J., see Wells, J. 195 (1996) 170
Burggraaf, A.J., see de Lange, R.S.A. 195 (1996) 203
Button, L., see Fehlner, F.P. 195 (1996) 89

Capobianco, J.A., see Cormier, G. 195 (1996) 125
Chang, S.-L., J.W. Anderegg and P.A. Thiel, Surface oxidation of an Al–Pd–Mn quasicrystal, characterized by X-ray photoelectron spectroscopy 195 (1996) 95
Chao, B.S., see Mytilineou, E. 195 (1996) 279
Chmel, A. and V.N. Svetlov, Si–Cl groups in chlorine-impregnated silica 195 (1996) 176
Cormier, G., T. Peres and J.A. Capobianco, Molecular dynamics simulation of the structure of undoped and Yb^{3+}-doped lead silicate glass 195 (1996) 125
Coté, B., see McMillan, P.F. 195 (1996) 261
Coutures, J.-P., see McMillan, P.F. 195 (1996) 261

De Lange, R.S.A., J.H.A. Hekkink, K. Keizer and A.J. Burggraaf, Microstructural properties of non-supported microporous ceramic membrane top-layers obtained by the sol–gel process 195 (1996) 203
Delaye, J.-M. and D. Ghaleb, Molecular dynamics simulation of $SiO_2 + B_2O_3 + Na_2O + ZrO_2$ glass 195 (1996) 239
Dunken, H.H., see Hobert, H. 195 (1996) 64

Fehlner, F.P., N.J. Binkowski, K.R. Salisbury and L. Button, Alumina barrier layers on LCD glass 195 (1996) 89
Fréty, N., A. Taylor and M.H. Lewis, Microstructure and crystallisation behaviour of sol–gel derived $1/2SrO–1/2BaO–Al_2O_3–2SiO_2$ glass-ceramic 195 (1996) 28

Ganguli, D., see Roy, S. 195 (1996) 38
Ghaleb, D., see Delaye, J.-M. 195 (1996) 239
Gopala Rao, R.V. and R. Venkatesh, A study of elastic constants and photon eigenvalues of amorphous As_2S_3 195 (1996) 286
Grande, T., see Aasland, S. 195 (1996) 180
Grzechnik, A., see Aasland, S. 195 (1996) 180
Gupta, P.K., Non-crystalline solids: glasses and amorphous solids 195 (1996) 158
Gusarov, A.I. and A.O. Volchek, Temperature dependence of parameters of the hierarchically constrained dynamic model for dielectric relaxation in salol 195 (1996) 165

Haga, K. and H. Watanabe, A structural interpretation of Si–O–Si vibrational absorption of high-photoconductive amorphous a-SiO_x:H films 195 (1996) 72
Hekkink, J.H.A., see de Lange, R.S.A. 195 (1996) 203
Hench, L.L., see West, J.K. 195 (1996) 45
Hobert, H. and B. Seltmann, Infrared study of $SiO_2/TiO_2/CdO$ layers on glass prepared by the sol–gel method 195 (1996) 54
Hobert, H. and H.H. Dunken, Modelling of dielectric functions of glasses by convolution 195 (1996) 64
Hook, R.J., A ^{29}Si NMR study of the sol–gel polymerisation rates of substituted ethoxysilanes 195 (1996) 1
Hoppe, U., A structural model for phosphate glasses 195 (1996) 138
Hunt, A., Some comments on the dynamics of super-cooled liquids near the glass transition 195 (1996) 293

Jacobson, D., see Marcus, M. 195 (1996) 232

Keizer, K., see de Lange, R.S.A. 195 (1996) 203
Kelton, K.F., see Narayan, K.L. 195 (1996) 148

Khaled, J., see Komatsu, T. 195 (1996) 102
Khalil, T., see Kim, K.-D. 195 (1996) 218
Kim, K.-D. and T. Khalil, Sintering behavior of gel powder in binary glass-forming SiO_2–TiO_2 system 195 (1996) 218
Komatsu, T., M. Nakakura, R. Sato, J. Khaled and K. Matusita, Thermal stability and hopping conduction in $Bi_4Sr_3Ca_3Cu_xO_y$ glasses ($x = 4$–9) 195 (1996) 102
Kumeda, M., see Zhou, J.-H. 195 (1996) 76

Lamble, G., see Marcus, M. 195 (1996) 232
Landron, C., see McMillan, P.F. 195 (1996) 261
LaTorre, G., see West, J.K. 195 (1996) 45
Lewis, M.H., see Fréty, N. 195 (1996) 28
Li, H. and M. Tomozawa, Effects of water in simulated borosilicate-based nuclear waste glasses on their properties 195 (1996) 188
Lines, M.E., Optical losses from compositional fluctuations in three-component glasses 195 (1996) 249
Lucas, J., see Wells, J. 195 (1996) 170

Makarov, L.L., see Mamedov, S.B. 195 (1996) 272
Mamedov, S.B., N.D. Aksenov, L.L. Makarov and Yu.F. Batrakov, X-ray emission spectroscopic study of the system Ge–Se in glassy and crystal states 195 (1996) 272
Marcus, M., D. Jacobson, A. Vredenberg and G. Lamble, Concentration and annealing effects on photoluminescence and local structure of Er-implanted silica 195 (1996) 232
Massiot, D., see McMillan, P.F. 195 (1996) 261
Matusita, K., see Komatsu, T. 195 (1996) 102
Mayr, P., see Pietralla, M. 195 (1996) 199
McMillan, P.F., W.T. Petuskey, B. Coté, D. Massiot, C. Landron and J.-P. Coutures, A structural investigation of CaO–Al_2O_3 glasses via ^{27}Al MAS-NMR 195 (1996) 261
McMillan, P.F., see Aasland, S. 195 (1996) 180
Mytilineou, E., B.S. Chao and D. Papadimitriou, Raman scattering in sputtered amorphous $Ge_{25}Se_{75-x}Bi_x$ films 195 (1996) 279

Nakakura, M., see Komatsu, T. 195 (1996) 102
Narayan, K.L., K.F. Kelton and C.S. Ray, Effect of Pt doping on nucleation and crystallization in $Li_2O \cdot 2SiO_2$ glass: experimental measurements and computer modeling 195 (1996) 148

Papadimitriou, D., see Mytilineou, E. 195 (1996) 279
Peres, T., see Cormier, G. 195 (1996) 125
Petuskey, W.T., see McMillan, P.F. 195 (1996) 261
Pietralla, M., P. Mayr and K. Weishaupt, The dependence of the glass temperature of two polymeric glasses on energy density tested by pressure variations 195 (1996) 199

Ray, C.S., see Narayan, K.L. 195 (1996) 148
Rehspringer, J.L., see Viart, N. 195 (1996) 223
Roy, S. and D. Ganguli, Spectroscopic properties of low Fe^{3+}-doped silica gels 195 (1996) 38

Sahota, M.S., E.L. Short and J. Beynon, An analysis of silicon oxide thin films by computer simulation of Si 2p XPS spectra using the Sanderson technique 195 (1996) 83
Salisbury, K.R., see Fehlner, F.P. 195 (1996) 89
Sato, R., see Komatsu, T. 195 (1996) 102
Seltmann, B., see Hobert, H. 195 (1996) 54
Shimizu, T., see Zhou, J.-H. 195 (1996) 76
Short, E.L., see Sahota, M.S. 195 (1996) 83
Sonnefeld, J., see Zhmud, B.V. 195 (1996) 16
Svetlov, V.N., see Chmel, A. 195 (1996) 176

Taylor, A., see Fréty, N. 195 (1996) 28
Thiel, P.A., see Chang, S.-L. 195 (1996) 95
Tomozawa, M., see Li, H. 195 (1996) 188
Toratani, H., see Zou, X. 195 (1996) 113

Venkatesh, R., see Gopala Rao, R.V. 195 (1996) 286
Viart, N. and J.L. Rehspringer, Study of the action of formamide on the evolution of a sol by pH measurements and Fourier transformed infra-red spectroscopy 195 (1996) 223
Volchek, A.O., see Gusarov, A.I. 195 (1996) 165
Vredenberg, A., see Marcus, M. 195 (1996) 232

Watanabe, H., see Haga, K. 195 (1996) 72
Weishaupt, K., see Pietralla, M. 195 (1996) 199
Wells, J., W.J. Bresser, P. Boolchand and J. Lucas, Medium range structure in a network glass established by a local probe 195 (1996) 170
West, J.K., G. LaTorre and L.L. Hench, The UV–visible spectrum in porous type VI silica: application and theory 195 (1996) 45

Zhmud, B.V. and J. Sonnefeld, Aminopolysiloxane gels: production and properties 195 (1996) 16
Zhou, J.-H., M. Kumeda and T. Shimizu, Diffusion-limited hydrogen evolution and the density of dangling bonds in high-temperature-annealed hydrogenated amorphous silicon 195 (1996) 76
Zou, X. and H. Toratani, Spectroscopic properties and energy transfers in Tm^{3+} singly- and Tm^{3+}/Ho^{3+} doubly-doped glasses 195 (1996) 113

ELSEVIER

Journal of Non-Crystalline Solids 195 (1996) 311–313

JOURNAL OF NON-CRYSTALLINE SOLIDS

Subject index

Absorption
Density, Oxides 195 (1996) 249

Alkali Silicate Glasses
Crystallization, Modelling, Nucleation 195 (1996) 148

Alumina
Coatings, Diffusion 195 (1996) 89

Amorphous Semiconductors
Diffusion, Hydrogen Effects, Silicon 195 (1996) 76

Chalcogenides
Elastic Properties 195 (1996) 286
Raman Spectra, Thin Films 195 (1996) 279

Chalcogenide Glasses
Structure, X-ray Emission 195 (1996) 272

Clusters
Infra-red Absorption, Silicon Alloys, Thin Films 195 (1996) 72

Coatings
Alumina, Diffusion 195 (1996) 89

Corrosion
Glass Transition, Viscosity 195 (1996) 188

Crystallization
Alkali Silicate Glasses, Modelling, Nucleation 195 (1996) 148
Differential Thermal Analysis, Microstructure, Sol–Gel Processes, X-ray Diffraction 195 (1996) 28

Density
Absorption, Oxides 195 (1996) 249
Molecular Dynamics, Viscosity 195 (1996) 239

Dielectric Properties
Modelling 195 (1996) 64

Differential Thermal Analysis
Crystallization, Microstructure, Sol–Gel Processes, X-ray Diffraction 195 (1996) 28

Diffusion
Alumina, Coatings 195 (1996) 89
Amorphous Semiconductors, Hydrogen Effects, Silicon 195 (1996) 76

Dynamical Properties
Glass Transition, Supercooled Liquids 195 (1996) 293
Modelling, Relaxation 195 (1996) 165

Elastic Properties
Chalcogenides 195 (1996) 286

Electric Properties
Modelling, Oxides, X-ray Diffraction 195 (1996) 102

Electron Spin Resonance
Glasses Containing Transition Metal Ions, Optical Properties, Sol–Gel Processes 195 (1996) 38

Fluorescence Spectra
Oxides, Rare Earth Ions 195 (1996) 113

Fluorides
Pressure Effects, Raman Spectra 195 (1996) 180

Glass Formation
Modelling, Theory 195 (1996) 158

Glass Transition
Corrosion, Viscosity 195 (1996) 188
Dynamical Properties, Supercooled Liquids 195 (1996) 293
Glassy Polymers, Pressure Effects 195 (1996) 199

Glasses Containing Transition Metal Ions
Electron Spin Resonance, Optical Properties, Sol–Gel Processes 195 (1996) 38

Glassy Polymers
Glass Transition, Pressure Effects 195 (1996) 199

Halide Glasses
Medium-Range Order, Mössbauer Effect 195 (1996) 170
Raman Spectra, Structure 195 (1996) 176

Hydrogen Effects
Amorphous Semiconductors, Diffusion, Silicon 195 (1996) 76

Infra-red Absorption
Clusters, Silicon Alloys, Thin Films 195 (1996) 72
Silicates, Sol–Gel Method, Titania 195 (1996) 54
Sol–Gel Processes 195 (1996) 223

Ion Implantation
Luminescence, Rare Earth Ions, Silica 195 (1996) 232

Luminescence
Ion Implantation, Rare Earth Ions, Silica 195 (1996) 232

Medium-Range Order
Halide Glasses, Mössbauer Effect 195 (1996) 170

Membranes
Porosity, Sol–Gel Processes 195 (1996) 203

Microstructure
Crystallization, Differential Thermal Analysis, Sol–Gel Processes, X-ray Diffraction 195 (1996) 28

Modelling
Alkali Silicate Glasses, Crystallization, Nucleation 195 (1996) 148
Dielectric Properties 195 (1996) 64
Dynamical Properties, Relaxation 195 (1996) 165
Electric Properties, Oxides, X-ray Diffraction 195 (1996) 102
Glass Formation, Theory 195 (1996) 158
Phosphates 195 (1996) 138
Silicon Dioxide, Thin Films, XPS 195 (1996) 83

Molecular Dynamics
Density, Viscosity 195 (1996) 239
Oxides, Polymer Network, Rare Earth Ions 195 (1996) 125

Molecular Orbital Calculation
Optical Properties, Sol–Gel Processes 195 (1996) 45

Mössbauer Effect
Halide Glasses, Medium-Range Order 195 (1996) 170

Nuclear Magnetic Resonance
Oxides, Quenching, Structure 195 (1996) 261
Reactions, Sol–Gel Processes 195 (1996) 1

Nucleation
Alkali Silicate Glasses, Crystallization, Modelling 195 (1996) 148

Optical Properties
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Sol–Gel Processes 195 (1996) 38
Molecular Orbital Calculation, Sol–Gel Processes 195 (1996) 45

Oxidation Reduction
Quasicrystals, XPS 195 (1996) 95

Oxides
Absorption, Density 195 (1996) 249
Electric Properties, Modelling, X-ray Diffraction 195 (1996) 102
Fluorescence Spectra, Rare Earth Ions 195 (1996) 113
Molecular Dynamics, Polymer Network, Rare Earth Ions 195 (1996) 125
Nuclear Magnetic Resonance, Quenching, Structure 195 (1996) 261

Phosphates
Modelling 195 (1996) 138

Polymer Network
Molecular Dynamics, Oxides, Rare Earth Ions 195 (1996) 125

Porosity
Membranes, Sol–Gel Processes 195 (1996) 203
Sol–Gel Processes, Surface Properties 195 (1996) 16

Pressure Effects
Fluorides, Raman Spectra 195 (1996) 180
Glass Transition, Glassy Polymers 195 (1996) 199

Quasicrystals
Oxidation Reduction, XPS 195 (1996) 95

Quenching
Nuclear Magnetic Resonance, Oxides, Structure 195 (1996) 261

Raman Spectra
Chalcogenides, Thin Films 195 (1996) 279
Fluorides, Pressure Effects 195 (1996) 180
Halide Glasses, Structure 195 (1996) 176

Rare Earth Ions
Fluorescence Spectra, Oxides 195 (1996) 113
Ion Implantation, Luminescence, Silica 195 (1996) 232
Molecular Dynamics, Oxides, Polymer Network 195 (1996) 125

Reactions
Nuclear Magnetic Resonance, Sol–Gel Processes 195 (1996) 1

Relaxation
Dynamical Properties, Modelling 195 (1996) 165

Silica
Ion Implantation, Luminescence, Rare Earth Ions 195 (1996) 232

Silicates
Infra-red Absorption, Sol–Gel Method, Titania 195 (1996) 54
Sintering, Sol–Gel Processes, Viscosity 195 (1996) 218

Silicon
Amorphous Semiconductors, Diffusion, Hydrogen Effects 195 (1996) 76

Silicon Alloys
Clusters, Infra-red Absorption, Thin Films 195 (1996) 72

Silicon Dioxide
Modelling, Thin Films, XPS 195 (1996) 83

Sintering
Silicates, Sol–Gel Processes, Viscosity 195 (1996) 218

Sol–Gel Method
Infra-red Absorption, Silicates, Titania 195 (1996) 54

Sol–Gel Processes
Crystallization, Differential Thermal Analysis, Microstructure, X-ray Diffraction 195 (1996) 28
Electron Spin Resonance, Glasses Containing Transition Metal Ions, Optical Properties 195 (1996) 38
Infra-red Absorption 195 (1996) 223
Membranes, Porosity 195 (1996) 203
Molecular Orbital Calculation, Optical Properties 195 (1996) 45
Nuclear Magnetic Resonance, Reactions 195 (1996) 1
Porosity, Surface Properties 195 (1996) 16
Silicates, Sintering, Viscosity 195 (1996) 218

Structure
Chalcogenide Glasses, X-ray Emission 195 (1996) 272
Halide Glasses, Raman Spectra 195 (1996) 176
Nuclear Magnetic Resonance, Oxides, Quenching 195 (1996) 261

Supercooled Liquids
Dynamical Properties, Glass Transition 195 (1996) 293

Surface Properties
Porosity, Sol–Gel Processes 195 (1996) 16

Theory
Glass Formation, Modelling 195 (1996) 158

Thin Films
Chalcogenides, Raman Spectra 195 (1996) 279
Clusters, Infra-red Absorption, Silicon Alloys 195 (1996) 72
Modelling, Silicon Dioxide, XPS 195 (1996) 83

Titania
Infra-red Absorption, Silicates, Sol–Gel Method 195 (1996) 54

Viscosity
Corrosion, Glass Transition 195 (1996) 188
Density, Molecular Dynamics 195 (1996) 239
Silicates, Sintering, Sol–Gel Processes 195 (1996) 218

XPS
Modelling, Silicon Dioxide, Thin Films 195 (1996) 83
Oxidation Reduction, Quasicrystals 195 (1996) 95

X-ray Diffraction
Crystallization, Differential Thermal Analysis, Microstructure, Sol–Gel Processes 195 (1996) 28
Electric Properties, Modelling, Oxides 195 (1996) 102

X-ray Emission
Chalcogenide Glasses, Structure 195 (1996) 272